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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/603,960      | 06/25/2003  | Joe P. Crookham      | P04049US2           | 3716             |

22885 7590 01/03/2007  
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DES MOINES, IA 50309-2721

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| EXAMINER |
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DOAN, KIET M

|          |              |
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| ART UNIT | PAPER NUMBER |
|----------|--------------|

2617

| SHORTENED STATUTORY PERIOD OF RESPONSE | MAIL DATE  | DELIVERY MODE |
|--|------------|---------------|
| 3 MONTHS                               | 01/03/2007 | PAPER         |

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

|                              |                 |                 |  |
|------------------------------|-----------------|-----------------|--|
| <b>Office Action Summary</b> | Application No. | Applicant(s)    |  |
|                              | 10/603,960      | CROOKHAM ET AL. |  |
|                              | Examiner        | Art Unit        |  |
|                              | Kiet Doan       | 2617            |  |

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 25 June 2003.
- 2a) ☐ This action is FINAL.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1,2,4,5,8,10,13-25,45,46 and 48-54 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,2,4,5,8,10,13-25,45,46 and 48-54 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 June 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. **Claims 1, 45** are rejected under 35 U.S.C. 103(a) as being unpatentable over Taylor et al. (Patent No. 5,209,560).

Consider **claims 1, 45**. Taylor teaches an apparatus for controlling lighting device comprising:

a central device including a database of events (C4, L30-38, C6, L10, Fig.1 and Fig.4, Illustrate the control console No.24 which read on central device wherein contain database);

a remote device connected to a wide-area lighting device (C5, L20-40, Fig.2, Illustrate remote control unit No.84 which read on remote device connected to a wide-area lighting device ;

a communications link to communicate data from the central device to the remote device related to an event (Abstract, C1, L40-58, C4, L8-55, C5, L20-33, Fig.2, Illustrate and described), that is at least party wireless cellular communication wherein data is communicated over a control channel of the cellular communication (Page 2, right

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column, line 1-3, C17, L55-62 teach wireless/hand free controlling lighting which means as wireless cellular communication).

Therefore, it would have been obvious at the time that the invention was made that person having ordinary skill in the art to modify Taylor system, such that computer/central device connected with remote device in wireless to control the lighting to provide means for the convenient and easy to controlling the data transmitting from computer to scoreboard in wireless connection.

2. **Claims 2, 4-5, 8, 10, 13-25, 46, 48-54** are rejected under 35 U.S.C. 103(a) as being unpatentable over Taylor et al. (Patent No. 5,209,560) in view of Bell et al. (Patent No. 5,898,587).

Consider **claims 2, 16, 46, 54**. Taylor teaches the limitation of claims **but silent on** the apparatus of claim 1 wherein the database comprises a schedule of events.

In an analogous art, Bell teaches "System for simultaneous game data and area display control". Further **Bell teaches** the apparatus of claim 1 wherein the database comprises a schedule of events (C3, L45-49 teach data contain schedule of events).

Therefore, it would have been obvious at the time that the invention was made that person having ordinary skill in the art to modify Taylor and Bell system, such that the database comprises a schedule of events to provide means for users transmitting data information of sports that schedule time and date where the competition will be.

Consider **claim 4**. Bell teaches the apparatus of claim 1 wherein the network device is computers or network of computers (C4, L60-67, Fig.1, Illustrate game control No.1 which contain computers as read on network device is computers).

Consider **claim 5**. Taylor teaches the apparatus of claim 1 wherein the remote device comprises a digital controller (C4, L47-54).

Consider **claims 8, 19, 48, 53**. Bell teaches the apparatus of claim 1 wherein the wide-area lighting device comprises sports lighting or security lighting (C4, L55-62, C5, L24-32, Fig.1 Illustrate display board No.6 or arena scoreboard No.15 as read on lighting device).

Consider **claims 10, 25, 49**. Taylor teaches the apparatus of claim 1 wherein the communications link comprises a wide area network (Page 2, right column, line 1-3 which obvious the link can be a wide area network, C17, L55-63).

Consider **claims 13, 17, 18, 20, 50**. Taylor teaches the apparatus of claim 1 wherein the remote device includes a cellular receiver (C4, L28-38, C16, L58-67, C17, L1-62).

Consider **claim 14**. Bell teaches the apparatus of claim 1 wherein said data comprises instructions (C5, L34-54).

Consider **claim 15**. Bell teaches the apparatus of claim 1 wherein said instructions include one or more of the set comprising turn on, turn off (Abstract, Line 1-7).

Consider **claims 21-24**. Taylor teach the apparatus of claim 1 further comprising a component to revise said database (C4, L8-54).

Consider **claims 51**. Bell teaches the system of claim 50 wherein said data relates to instructions regarding the operation of the resistive or inductive electrical loads (Fig. 4, Illustrate the signal condition wherein contain circuit which obvious contain resistive or inductive electrical).

Consider **claim 52**. Bell teaches the system of claim 45 wherein the customer device is related to one or more of the set comprising cellular phone, internet connected computer, fax machine, and telephone (C4, L62-67, C5, L1-24).

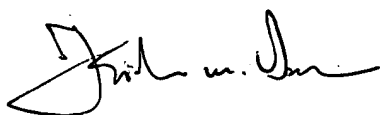
### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kiet Doan whose telephone number is 571-272-7863. The examiner can normally be reached on 8am - 5pm.


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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph H. Feild can be reached on 571-272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Kiet Doan  
Patent Examiner



JOSEPH FEILD  
SUPERVISORY PATENT EXAMINER